

27516B/14

L02

BUILDING MAT CONS

03.01.77-SU-436891 (25.04.78) C04b-15/06

Steam hardening building material - contg. lime, dehydrated clay powder and sand, used for casting wall, heat insulating etc. units

BUIL = 03.01.77

*SU -607-813

U2-C6, 2-D4).

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The compressive strength of the building articles is improved, when the starting mixt. contains (in wt. %): lime (I) 10-30, dehydrated, finely ground clay (II) 20-50 and sand (III) the rest.

The articles are prepd. by forming and steaming for 12 hrs. at 97°C.

DETAILS

The clay (II) is obtd. by calcination at 500-800°C followed by grinding. A typical mixt. contg. (in wt. %): (I) 20, (II) 20 and (III) 60, yields articles with compressive strength of 330 kg/cm². Tests show that increasing the amt. of (II) in the mixt. increases the compressive strength of the resulting articles by 2.8-3.4 times. (2pp124)

SU-607813